

DOCKET NO.: N0410.70000US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lawrence Hancock, et al.  
Serial No.: 09/997,999  
Confirmation No.: 3909  
Filed: November 30, 2001  
For: LUMINESCENT POLYMER PARTICLES

Examiner: E. J. Cain  
Art Unit: 1714

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 22nd day of September, 2006.

  
Signature

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**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office action, but before the mailing date of any final action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application.

The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified PTO/SB/08). The order of presentation of the references should not be construed as an indication of the importance of the references.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

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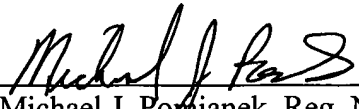
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An early and favorable action is hereby requested.

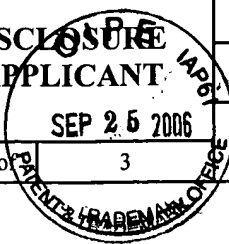
Respectfully submitted,

By:

  
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Docket No.: N0410.70000US00  
Date: September 22, 2006

FORM PTO-1449/A and B (modified PTO/SB/08)			APPLICATION NO.: 09/997,999	ATTY. DOCKET NO.: N0410.70000US00
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			FILING DATE: November 30, 2001	CONFIRMATION NO.: 3909
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### U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		6,743,640	B2	Whitten, et al.	06-01-2004
		2002/0051985	A1	Whitten, et al.	05-02-2002
		2002/0150759	A1	Jones, et al.	10-17-2002
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		2003/0054413	A1	Kumaraswamy, et al.	03-20-2003
		2004/0175768	A1	Kushon, et al.	09-09-2004
		2004/0241768	A1	Whitten, et al.	12-02-2004
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		2006/0024707	A1	Deans, et al.	01-02-2006

### FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			

### OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		Achyuthan, K.E., et al., "Fluorescence superquenching of conjugated polyelectrolytes: applications for biosensing and drug discovery," <i>J Mat Chem</i> , Vol. 15, pp. 2648-2656 (2005).	
		Bergstedt, T., et al., "Superquenching of Fluorescent Polyelectrolytes and its Applications for Chemical and Biological Sensing," <i>Proc SPIE</i> , Vol. 4279, pp. 94-100 (2001).	
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**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		Jones, R.M., et al., "Tuning of Superquenching in Layered and Mixed Fluorescent Polyelectrolytes," <i>JACS</i> , Vol. 123, pp. 6726-6727 (2001).	
		Jones, R.M., et al., "Building highly sensitive dye assemblies for biosensing from molecular building blocks," <i>PNAS</i> , Vol. 98, No. 26, pp. 14769-14772 (2001).	
		Kumaraswamy, S., et al., "Fluorescent-conjugated polymer superquenching facilitates highly sensitive detection of proteases," <i>PNAS</i> , Vol. 101, pp. 7511-7515 (2004).	
		Kushon, S.A., et al., "Detection of Single Nucleotide Mismatches via Fluorescent Polymer Superquenching," <i>Langmuir</i> , Vol. 19, 6456-6464 (2003)..	
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		Rininsland, F., et al., "High-throughput kinase assays with protein substrates using fluorescent polymer superquenching," <i>BMC Biotech</i> , Vol. 5, No. 16, pp. 1-6 (2005).	
		Rininsland, F., et al., "Metal ion-mediated polymer superquenching for highly sensitive detection of kinase and phosphatase activities," <i>PNAS</i> , Vol. 101, No. 43, pp. 15295-15300 (2004).	
		Wang, S., et al., "Fluorescein Provides a Resonance Gate for FRET from Conjugated Polymers to DNA Intercalated Dyes," <i>JACS</i> , Vol. 126, pp. 5446-5451 (2004).	
		Wang, D., et al., "Photoluminescence Quenching of Conjugated Macromolecules by Bipyridinium Derivatives in Aqueous Media: Charge Dependence," <i>Langmuir</i> , Vol. 17, pp. 1262-1266 (2001).	
		Wang, J., et al., "Photoluminescence of Water-Soluble Conjugated Polymers: Origin of Enhanced Quenching by Charge Transfer," <i>Macromolecules</i> , Vol. 33, pp. 5153-5158 (2000).	
		Wang, D., et al., "Biosensors from conjugated polyelectrolyte complexes," <i>PNAS</i> , Vol. 99, No. 1, pp. 49-53 (2002).	
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EXAMINER:	DATE CONSIDERED:
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# EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_, filed \_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]